

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>5259-054/NP</b> U.S. APPLICATION NO. <b>10/542316</b> (if known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. <b>PCT/JP2004/001600</b>	INTERNATIONAL FILING DATE <b>13 February 2004 (13.02.2004)</b>	PRIORITY DATE CLAIMED <b>13 February 2003 (13.02.2003)</b>
TITLE OF INVENTION <b>FIBER OPTIC COMMUNICATION SYSTEM</b>		
APPLICANT(S) FOR DO/EO/US <b>TANOBE, Hiromasa, et al.</b>		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

JP17 Rec'd. 13 JUL 2005

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/542316</b>		INTERNATIONAL APPLICATION NO. PCT/JP2004/001600		ATTORNEY'S DOCKET NUMBER 5259-054/NP	
20. Other items or information: Express Mail Transmittal (EV 716 205 099 US); Check for \$3,300; Eng Trans of Formal Drawings (122 pages); Form HDP-1449 citing 6 references (6 enclosed) w/ ISR, Eng Trans of ISR & Written Opinion of ISA; Pub Int'l App WO 2004/073225 A1; Return Receipt Postcard					
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$ 200.00	
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100				\$ 400.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
<b>TOTAL OF 21, 22 and 23 =</b>				900.00	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
334 - 100 =	234 /50 =	5	x \$250	\$ 1,250.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 0.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	35 - 20 =	15	x \$ 50	\$ 750.00	
Independent claims	3 - 3 =	0	x \$200	\$ 0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 360.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 3,260.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				0.00	
<b>SUBTOTAL =</b>				\$ 3,260.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0.00	
<b>TOTAL NATIONAL FEE =</b>				\$ 3,260.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$ 3,300.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

10/542316

- a. ☒ A check in the amount of \$ 3,300.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Gregory A. Stobbs  
HARNESS, DICKEY & PIERCE, P.L.C.  
P. O. Box 828  
Bloomfield Hills, MI 48303  
United States of America



SIGNATURE

Gregory A. Stobbs  
NAME

28,764

REGISTRATION NUMBER

Dated: July 13, 2005

10/542316

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
AS DESIGNATED/ELECTED OFFICE (DO/EO/US)

JUL 17 REC'D

13 JUL 2005

Express Mail No.: EV 716 205 099 US

Date of Deposit: 13 July 2005

Application No.: Not Yet Assigned – National Phase of PCT/JP2004/001600

International  
Filing Date: 13 February 2004

Applicant: Hiromasa TANOBE, et al

Title: FIBER OPTIC COMMUNICATION SYSTEM

Attorney Docket: 5259-054/NP

---

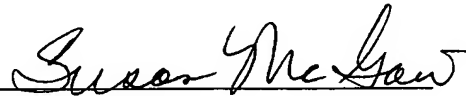
Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**EXPRESS MAIL TRANSMITTAL**

The following papers are being deposited with the United States Postal Service Express Mail Post Office to Addressee on 13 July 2005 and addressed for receipt by the United States Patent and Trademark Office:

1. Express Mail Transmittal (Label No. EV 716 205 099 US);
2. Check in the amount of \$3,300.00;
3. Transmittal Letter to the DO/EO/US Concerning  
a Filing Under 35 USC 371 (3 pages, in duplicate);
4. Application Data Sheet (4 pages);
5. English Translation of International Application (212 Pages);
6. English Translation of Article 19 Amendment and Statement (6 pages);
7. English Translation of Formal Drawings (122 pages);
8. Signed Declaration and Power of Attorney (4 pages);
9. Assignment Cover Sheet and Assignment (3 pages);
10. IDS with Form 1449 (citing 6 references, 6 enclosed) and ISR, Eng  
Translation of ISR & Written Opinion of ISA;
11. Published International Application WO 2004/073225 A1; and
12. Return Postcard.

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

  
Susan McGaw